

Figure 1

(PRIOR ART)

Example Configuration Data File for the Primary Name Server of the foo.IBM.com Zone

```
205    primary    foo.IBM.com      db.foo.IBM
210    primary    stanford.edu     db.stanford
:
:
```

**Figure 2A**

Example db.foo.IBM Zone Data File for the foo.IBM.com Zone

```
foo.IBM.com. IN SOA ns1.WebHostingCompany.com. postmaster.WebHostingCompany.com. (
;;; information for slave name servers
                                1837          ;;; serial number for this version of the zone data file
                                1800          ;;; refresh after 30 minutes
                                900           ;;; retry after 15 minutes
                                86400         ;;; expire after 1 week
                                1800         ;;; minimum Time To Live (TTL) of 30 minutes
                                )
;;; name servers for the zone
                                IN      NS    ns1.WebHostingCompany.com.
                                IN      NS    bar
;;; mail server
                                IN      MX    5 mailserver.WebHostingCompany.com.
;;; addresses
    @      IN      A      216.23.39.188
    foo    IN      A      216.23.39.180
    bar    IN      A      216.23.46.83
;;; aliases
    smtp    IN  CNAME    @
    www     IN  CNAME    @
    ftp     IN  CNAME    foo.foo.IBM.com.
    bigdaddy IN  CNAME    bar
```

**Figure 2B**

Example Partial Zone Data File for the IBM.com Zone

```
;;; delegation of subzone foo.IBM.com to authoritative name servers for the subzone
foo      86400 IN  NS     ns1.WebHostingCompany.com.
          86400 IN  NS     bar.foo.IBM.com.
bar.foo.IBM.com. 86400 IN  A      216.23.46.83
```

**Figure 2C**



THE SOURCE FOR .CC DOMAIN NAMES

## Register Your .CC Domain Now!

DOMAIN NAME:  .CC

**SUBMIT**

Now offering International  
Character Domains **域名**  
CLICK HERE TO REGISTER

LATIN-1 NOW AVAILABLE!  
Español Français  
Deutsch and 16 MORE...

WIN  
Up To **\$35,000**  
If your site is selected as the  
Best Designed .CC Web Site

☐ **WEB HOSTING**  
STARTING AT **\$9.99/mo!**



### **ENIC HOME**

Welcome to the eNIC network information center. We are proud to announce a wealth of domain name services such as faster domain name registration, unmatched technology and domain availability, as well as immediate domain management and editing.

If you have experienced trouble in the past while trying to get your name on the web, you have come to the right place. The .cc TLD makes domain names that were unavailable in the past, now available to you. Register now and find the best domain for your company or personal endeavor.

eNIC provides **FREE** web and email forwarding with a paid domain registration.

**.CC names work worldwide exactly as do .COM names.**

If you have any questions regarding your domain name please email [hostmaster@nic.cc](mailto:hostmaster@nic.cc).

DOMAIN NAME:  .CC

**SUBMIT**

Type a domain name in the box above to check availability of a .CC domain name and register it.

Interested in receiving commissions for the promotion of .cc domain sales through a banner or with your own registration site? Join eNIC's Partner Program.

[NEW NAME](#) • [EDIT DNS](#) • [WHO IS?](#) • [POLICIES](#)  
[PAYMENTS](#) • [FAQ](#) • [HOME](#)



[NEW NAME](#)



[EDIT DNS](#)



[WHO IS?](#)



[POLICIES](#)



[PAYMENT](#)



[FAQS](#)



[CONTACT](#)



[HOME](#)

Fig. 3A



# NIC

THE SOURCE FOR .CC DOMAIN NAMES

☒ REGISTER A NEW NAME

Select an encoding

|   |  |                                  |                                 |                               |
|---|--|----------------------------------|---------------------------------|-------------------------------|
| 繁體中文<br><b>Chinese</b><br>(Big5)<br>Traditional | 簡體中文<br><b>Chinese</b><br>(GB)<br>Simplified | 日本語<br><b>Japanese</b><br>(SJIS) | 日本語<br><b>Japanese</b><br>(EUC) | 한국어<br><b>Korean</b><br>(KSC) |
|---|--|----------------------------------|---------------------------------|-------------------------------|

Big 5 | GB2312 | Shift JIS | EUC-JP | KSC5601

Latin 1 (ISO 8859-1)

|                                   |   |
|-----------------------------------|---|
| <b>Afrikaans</b><br>Afrikaans     | <b>Shqip</b><br>Albanian                |
| <b>Euskara</b><br>Basque          | <b>Català</b><br>Catalan                |
| <b>Dansk</b><br>Danish            | <b>Nederlands</b><br>Dutch              |
| <b>Føroya</b><br>Faroese          | <b>Suomea</b><br>Finnish                |
| <b>Français</b><br>French         | <b>Deutsch</b><br>German                |
| <b>Islensku</b><br>Icelandic      | <b>Gæilge</b><br>Irish                  |
| <b>Norsk</b><br>Norwegian         | <b>Portuguìs</b><br>cv/br/eu Portuguese |
| <b>României</b><br>Rhaeto-Romanic | <b>Scotts<br/>Gæilge</b><br>Scottish    |
| <b>Español</b><br>Spanish         | <b>Kiswahili</b><br>Swahili             |
| <b>Svenska</b><br>Swedish         | MORE COMING<br>SOON!                    |

域名

DOMAINS

abc0

DOMAINS



EDIT DNS



WHO IS?



POLICIES



PAYMENT



FAQS



CONTACT



HOME

Fig. 3B



**nic**

THE SOURCE FOR .CC DOMAIN NAMES

☒ REGISTER A NEW NAME

## Search For a New Domain Name

DOMAIN NAME:  .CC

Encoding  iso8859-1

International Domain Name Registration Surcharge:  
**Waived**

[NEW NAME](#) • [EDIT DNS](#) • [WHO IS?](#)  
[POLICIES](#) • [PAYMENTS](#) • [FAQ](#) • [HOME](#)

Fig. 3C



DOMAINS



DOMAINS



EDIT DNS



WHO IS?



POLICIES



PAYMENT



FAQ'S



CONTACT



HOME

310

☒ REGISTER A NEW NAME

## Search For a New Domain Name

319 { **Warning!** Changing the Encoding Type will reset the cart.  
BIG5 | **KSC5601** | Shift-JIS | EUC-JP | GB2312

DOMAIN NAME:

삼성 회사 .cc

Encoding

KSC5601

316

**SUBMIT**

International Domain Name Registration Surcharge:  
**Waived**

NEW NAME • EDIT DNS • WHO IS?  
POLICIES • PAYMENTS • FAQ • HOME

Fig. 3D

域名

DOMAIN

abc06

EDOMAIN



EDIT DNS



WHO IS?



POLICIES



PAYMENT



FAQ'S



CONTACT



HOME

320

삼성 회사

KSC5601: 0xC701 0xB1B9 322  
Unicode: U+D55C U+AD6D 323  
UTF-5 ACE T55C QD6D 324

Fig. 3E

327 3F


File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Library Internet Intranet Real.com

Address: https://실성회사.cc/FILENAME.html

Welcome to NIC.CC - Microsoft Internet Explorer provided by Perkins Core LLP

Links Go Welcome to >>



THE SOURCE FOR .CC DOMAIN NAMES

Register Your .CC Domain Now!

DOMAIN NAME

SUBMIT

Now offering International Character Domains

CLICK HERE TO REGISTER

WIN \$35,000


Up To \$35,000 If your site is selected as the Best Designed .CC Web Site

LATIN-1 NOW AVAILABLE!

Spanish, French, German, and 16 MORE

WEB HOSTING

STARTING AT \$9.99/mo!



**NIC HOME**

Welcome to the NIC network information center. We are proud to announce a wealth of domain name services such as faster domain name registration, unmatched technology and domain availability, as well as immediate domain management and editing.

If you have experienced trouble in the past while trying to get your name on the web, you have come to the right place. The .cc TLD makes domain names that were unavailable in the past, now available to you. Register now and find the best domain for your company or personal endeavor.

eNIC provides FREE web and email forwarding with a paid domain registration.

NEW NAME

EDIT DNS

WHO IS?

POLICIES

PAYMENT

FAQS

CONTACT

HOME

Done

Start Exploring - C:\patent - JD...

Microsoft Word - 8003 ap...

Welcome to NIC.CC

Internet

2:58 PM

325



SAMSUNG DIGITall  
everyone's invited

all samsung websites

Search

## 로컬라이징 사업이 올곧게 양한 활

로컬라이징 사업이 올곧게 양한 활로 삼성이 올곧게 사업의 성을 높이고 있습  
다

(2000년9월6일 / 삼) more &gt;&gt;

... 2000년9월6일 ...

## 삼성 사표의 하를 대가로 수한다



사표의 하를 대가로 수한다. 삼성은 인류 화의 재인 2000년 사표의 하를 대가로 수한다. 삼성은 인류 화의 재인 2000년 사표의 하를 대가로 수한다.

(2000년9월6일 / 삼) more &gt;&gt;

## 삼성 사표의 하를 대가로 수한다



삼성 사표의 하를 대가로 수한다. 삼성은 인류 화의 재인 2000년 사표의 하를 대가로 수한다. 삼성은 인류 화의 재인 2000년 사표의 하를 대가로 수한다.

(2000년9월30일 / 삼성) more &gt;&gt;

## 삼성 사표의 하를 대가로 수한다



삼성 사표의 하를 대가로 수한다. 삼성은 인류 화의 재인 2000년 사표의 하를 대가로 수한다. 삼성은 인류 화의 재인 2000년 사표의 하를 대가로 수한다.

(2000년9월29일 / 삼) more &gt;&gt;

## 27일은 사표의 하를 대가로 수한다



27일은 사표의 하를 대가로 수한다. 삼성은 인류 화의 재인 2000년 사표의 하를 대가로 수한다. 삼성은 인류 화의 재인 2000년 사표의 하를 대가로 수한다.

(2000년9월27일 / 삼) more &gt;&gt;

## 삼성 사표의 하를 대가로 수한다

## Quick Link

Select

- ▶ 삼성사
- ▶ 삼성명
- ▶ 삼성상

## 상품소개

삼성의 대표적 첨단  
디지털 제품들  
소개합니다

## 다운로드

제품 드라이버  
파일과 메뉴  
제공합니다삼성 그룹  
가족보 '삼성월드'가족보 '삼성월드'  
진솔한  
삼성 사람들을  
만나실 수 있습니다

2000-10

| 분류       | 지수       |
|----------|----------|
| KOSPI    | 598.45 ▼ |
| KOSDAQ   | 95.79    |
| KOSPI200 | 74.32    |

330

Fig. 3G

### Example Multilingual Domain Name Registry Database

|     |   |                   |
|-----|---|-------------------|
| 337 | 339   |                   |
|     | <b>ASCII And ASCII-Compatible Encoding Domain Names</b> | <b>Registrant</b> |
| 340 | alpha.cc  | Bob Smith         |
| 342 | amethyst-rings.cc                                       | Jim Jones         |
| 344 | ⋮   |                   |
| 346 | race.cc   | Helen Keller      |
| 348 | ra--b971b054.cc   | Chun Ahn          |
| 350 | ra--t55cqd6d.cc   | Doug White        |
| 352 | reckless.cc   | Billy TheKid      |
|     | ⋮   |                   |

**Figure 3H**

### Example db.CC Zone Data File for a ".CC" Zone

```

cc.                IN      SOA      ns1.nic.cc.          postmaster.nic.cc.      (
;;; information for slave name servers
                        1837          ;;; serial number for this version of the zone data file
                        1800          ;;; refresh after 30 minutes
                        900           ;;; retry after 15 minutes
                        86400         ;;; expire after 1 week
                        1800          ;;; minimum Time To Live (TTL) of 30 minutes
                        )
;;; name servers for the zone
                        IN      NS      ns1.nic.cc.
                        IN      NS      ns2.nic.cc.
                        IN      NS      ns1.globaldns.com.

;;; addresses
@                   IN      A      226.23.39.188
alpha              IN      A      225.78.83.242
amethyst-rings    IN      A      178.123.32.138
⋮
ns1.nic           IN      A      225.31.53.23
⋮
race              IN      A      225.31.32.45
reckless          IN      A      67.79.35.15
⋮
*                 IN      A      234.71.83.24
  
```

**Figure 3I**

### Example Multilingual Domain Name Binary Variants Database

|     | 362             | 364                                  | 366                      | 368                  |
|-----|-----------------|--------------------------------------|--------------------------|----------------------|
|     | Binary Variants | Corresponding Registered Domain Name | Encoding Type            | Primary Or Secondary |
| 370 | b971b054        | ra--b971b054.cc                      | Big 5                    | 1                    |
| 371 | 1b244245453f76  | ra--b971b054.cc                      | JIS                      | 0                    |
| 372 | 93649075        | ra--b971b054.cc                      | Shift-JIS                | 0                    |
| 373 | b5e7d1b6        | ra--b971b054.cc                      | GB2312                   | 0                    |
| 374 | b5e7d38d        | ra--b971b054.cc                      | GB2312                   | 0                    |
| 375 | b971b074        | ra--b971b054.cc                      | Big 5                    | 0                    |
| 376 | c2b971c2b054    | ra--b971b054.cc                      | "Dumb UTF-8"             | 0                    |
| 377 | c2b971c2b074    | ra--b971b054.cc                      | Lower-cased "Dumb UTF-8" | 0                    |
| 378 | c5c5bfd6        | ra--b971b054.cc                      | EUC-JP                   | 0                    |
| 379 | e794b5e8a88a    | ra--b971b054.cc                      | UTF-8                    | 0                    |
| 380 | e794b5e8aeaf    | ra--b971b054.cc                      | UTF-8                    | 0                    |
| 381 | e99bbbe8a88a    | ra--b971b054.cc                      | UTF-8                    | 0                    |
| 382 | e99bbbe8aeaf    | ra--b971b054.cc                      | UTF-8                    | 0                    |
| 383 | eb8ad1b6        | ra--b971b054.cc                      | GB2312                   | 0                    |
| 384 | eb8ad38d        | ra--b971b054.cc                      | GB2312                   | 0                    |
| 385 | efb3e3f2        | ra--b971b054.cc                      | KSC 5601                 | 0                    |
|     | ⋮               |                                      |                          |                      |
| 386 | cd38sl93        | ra--cd38sl93.cc                      | KSC 5601                 | 1                    |
|     | ⋮               |                                      |                          |                      |

**Figure 3J**

### Example ACE Forwarding Database

|     |                  |                                    |     |
|-----|------------------|------------------------------------|-----|
|     | 388              | 389                                |     |
|     | ACE Domain Names | URL Forwarding                     |     |
|     | ⋮                |                                    |     |
| 394 | ra--b971b054.cc  | 228.32.98.20                       | ... |
| 396 | ra--t55cq6d.cc   | http://www.samsung.com/korean.html |     |
|     | ⋮                |                                    |     |

**Figure 3K**

Domain Registered in Traditional Chinese Big 5

電訊.cc

Traditional Chinese Big 5 (1 variant)

電配

Simplified Chinese GB (4 variants)

電訊 電訊 電訊 電訊

Japanese Shift-JIS (1 variant)

電訊

Japanese JIS (1 variant)

Does not display correctly.

Japanese EUC-JP (1 variant)

電訊

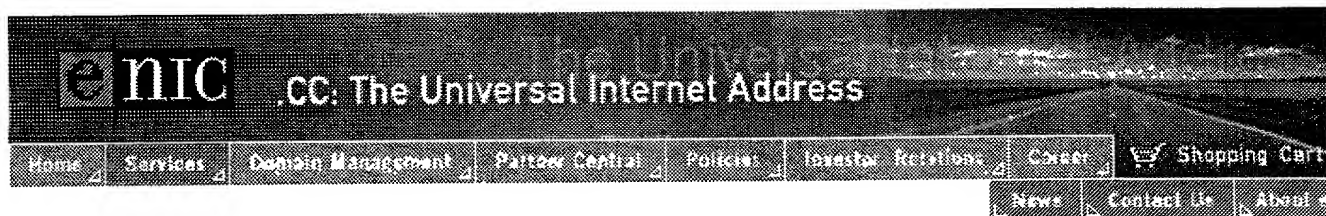
Korean KSC (1 variant)

電訊

UTF-8 (6 variants)

1q°T 1q°t 電訊 電訊 電訊 電訊

Fig. 3L



[Register a Domain](#)  
[Multilingual Whois](#)  
[English to CJK Translator](#)  
[Lookup by Reference Code](#)  
[Multilingual INFO/FAQ](#)

## English only? Not here!

Pick the language that works for you. We did the work to make it easy. You can register your site in more than 28 active Asian, Middle Eastern and European languages.

## This is not a test. Our system works.

While some of our competitors provide a "testbed" version of multilingual software, we've delivered a fully-functional system that works for thousands of dot.cc customers.

We provide different forms of the same languages, so you can register your site in traditional and simplified Chinese or different Japanese character sets. We make it easy to ensure that all variants of a domain name point to the same site.

## We're bringing the world to the World Wide Web.

### Select a Language or Encoding to use:

[Asian](#) | [Arabic](#) | [Hebrew](#) | [European / Afrikaans / Americas](#)

### Asian Language

(Chinese / Japanese / Korean encodings)

|                |                |                  |                 |                 |
|----------------|----------------|------------------|-----------------|-----------------|
| 繁體中文           | 简体中文           | 日本語              | 日本語             | 한국어             |
| <b>Chinese</b> | <b>Chinese</b> | <b>Japanese</b>  | <b>Japanese</b> | <b>Korean</b>   |
| Big5           | GB             | SJIS             | EUC             | KSC             |
| Traditional    | Simplified     |                  |                 |                 |
| <u>Big 5</u>   | <u>GB 2312</u> | <u>Shift-JIS</u> | <u>EUC-JP</u>   | <u>KSC 5601</u> |

Fig. 3M

### Arabic Language

(ISO 8859-6 encoding)

|               |                |             |
|---------------|----------------|-------------|
| العربية       | فارسي          | اردو        |
| <u>Arabic</u> | <u>Persian</u> | <u>Urdu</u> |

**Hebrew Language**  
(ISO 8859-8 encoding)

עברית  
Hebrew

יידיש  
Yiddish

**Latin 1 Language**  
(ISO 8859-1 encoding)

Afrikaans  
Afrikaans

Euskara  
Basque

Dansk  
Danish

Føroya  
Faroese

Français  
French

Islensku  
Icelandic

Italiano  
Italian

Português  
cv/br/eu Portuguese

Scotts Gæilge  
Scottish

Kiswahili  
Swahili

Shqip  
Albanian

Català  
Catalan

Nederlands  
Dutch

Suomea  
Finnish

Deutsch  
German

Gàeilge  
Irish

Norsk  
Norwegian

României  
Rhaeto-Romanic

Español  
Spanish

Svenska  
Swedish

Fig. 3N

## Search For a New Domain Name

Satisfied Customers



Testimonials

[Arabic](#) [Chinese Simplified](#) [Chinese Traditional](#) [Hebrew](#)  
[Japanese EUC JP](#) [Japanese S JIS](#) [Korean](#) [Latin 1](#)

*Changing the Encoding Type will reset the shopping cart.*

Encoding Type: **KSC5601**

International Domain Name Registration Surcharge: **Waived**

[Services](#) | [Domain Management](#) | [Partner Central](#) | [Policies](#) | [Investor Relations](#) | [Career](#)  
[News](#) | [Contact Us](#) | [About eNIC](#)

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Fig. 30

## CJK Translation Dictionary

[Register a Domain](#)  
[Multilingual Whois](#)  
[English to CJK Translator](#)  
[Lookup by Reference Code](#)  
[Multilingual INET/FAQ](#)

English word to look up

Application

Look Up

Language/Encoding

Chinese Simplified (GB 2312)

Chinese Traditional (Big 5)  
Japanese (EUC-JP)

[Services](#) | [Domain Management](#) | [Partner Central](#) | [Policies](#) | [Investor Relations](#) | [Career](#)  
[News](#) | [Contact Us](#) | [About eNIC](#)  
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Fig. 3P



[Register a Domain](#)  
[Multilingual Whois](#)  
[English to CJK Translator](#)  
[Lookup by Reference Code](#)  
[Multilingual INFO/FAQ](#)

## Search Results for 'application'

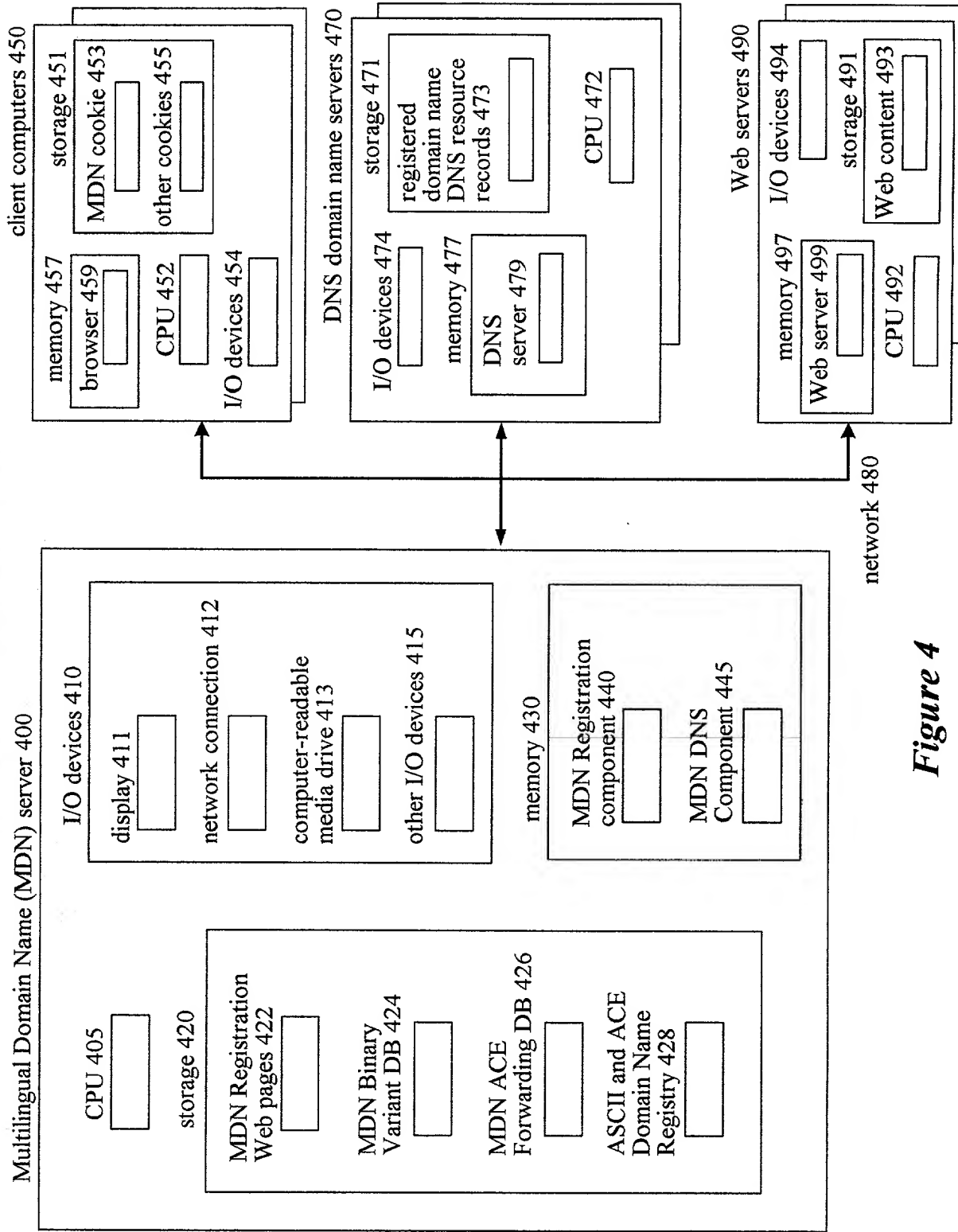
Select up to 5 Domain names

Add to Cart

|                          |            |   |
|--------------------------|------------|---|
| <input type="checkbox"/> | 用途 .CC     | application                             |
| <input type="checkbox"/> | 应用 .CC     | application                             |
| <input type="checkbox"/> | 應用程式 .CC   | application                             |
| <input type="checkbox"/> | 申请书 .CC    | application                             |
| not available            | 申请 .CC     | application (form, etc.)                |
| <input type="checkbox"/> | 应用层 .CC    | application layer                       |
| <input type="checkbox"/> | 应用平台 .CC   | application platform                    |
| <input type="checkbox"/> | 應用程式介面 .CC | application programming interface       |
| <input type="checkbox"/> | 应用软件 .CC   | application software                    |
| <input type="checkbox"/> | 应用软体 .CC   | application software                    |
| <input type="checkbox"/> | 专用集成电路 .CC | Application-specific integrated circuit |
| <input type="checkbox"/> | 商业应用 .CC   | business application                    |
| <input type="checkbox"/> | 客户应用 .CC   | client application                      |
| <input type="checkbox"/> | 网络应用 .CC   | network application                     |
| <input type="checkbox"/> | 网路应用 .CC   | network application                     |
| <input type="checkbox"/> | 实际应用 .CC   | practical application                   |
| not available            | 招聘 .CC     | take job applications                   |
| <input type="checkbox"/> | 典型用途 .CC   | typical application                     |

Add to cart

Clear All



**Figure 4**

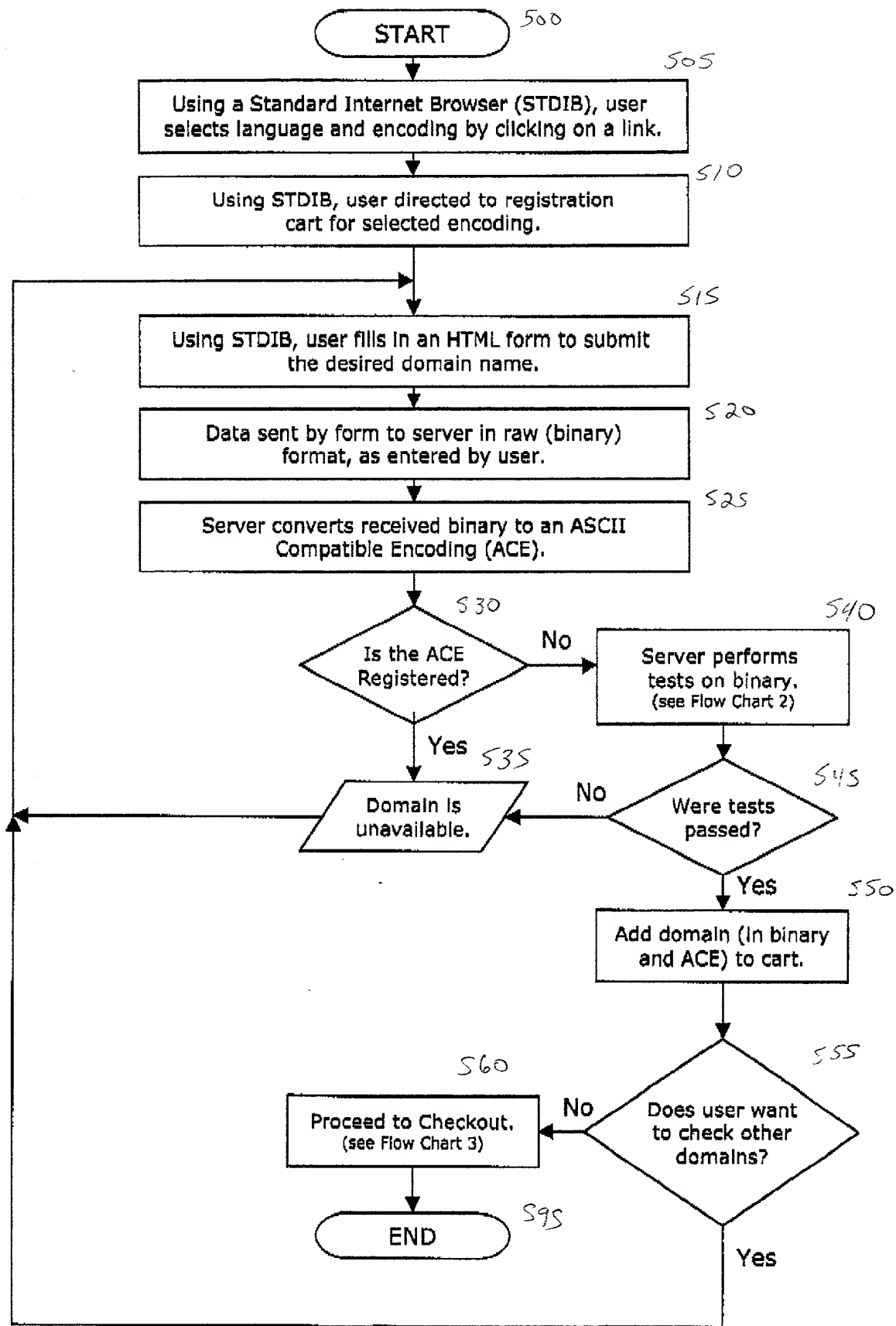


Fig. 5

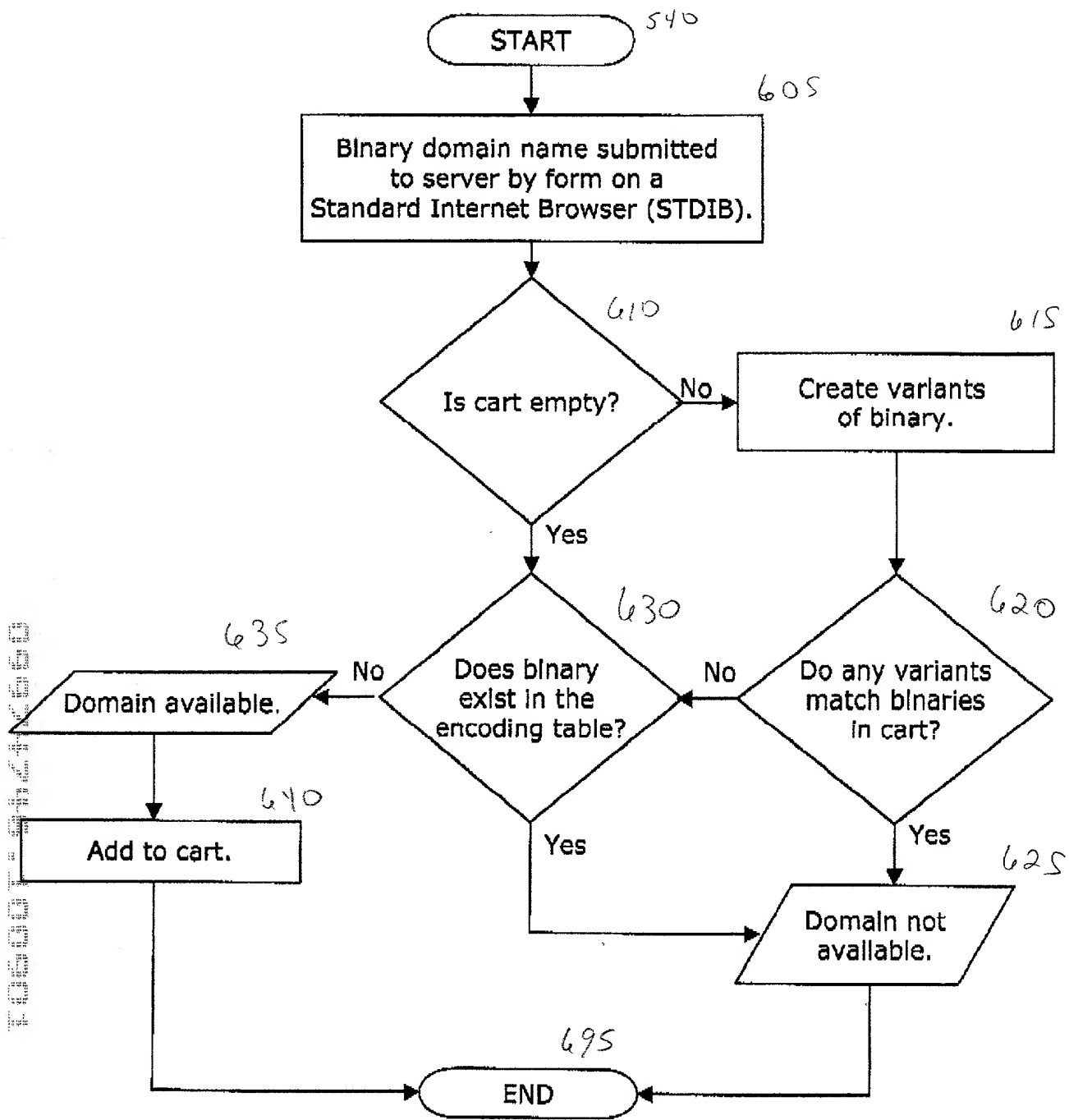


Fig. 6

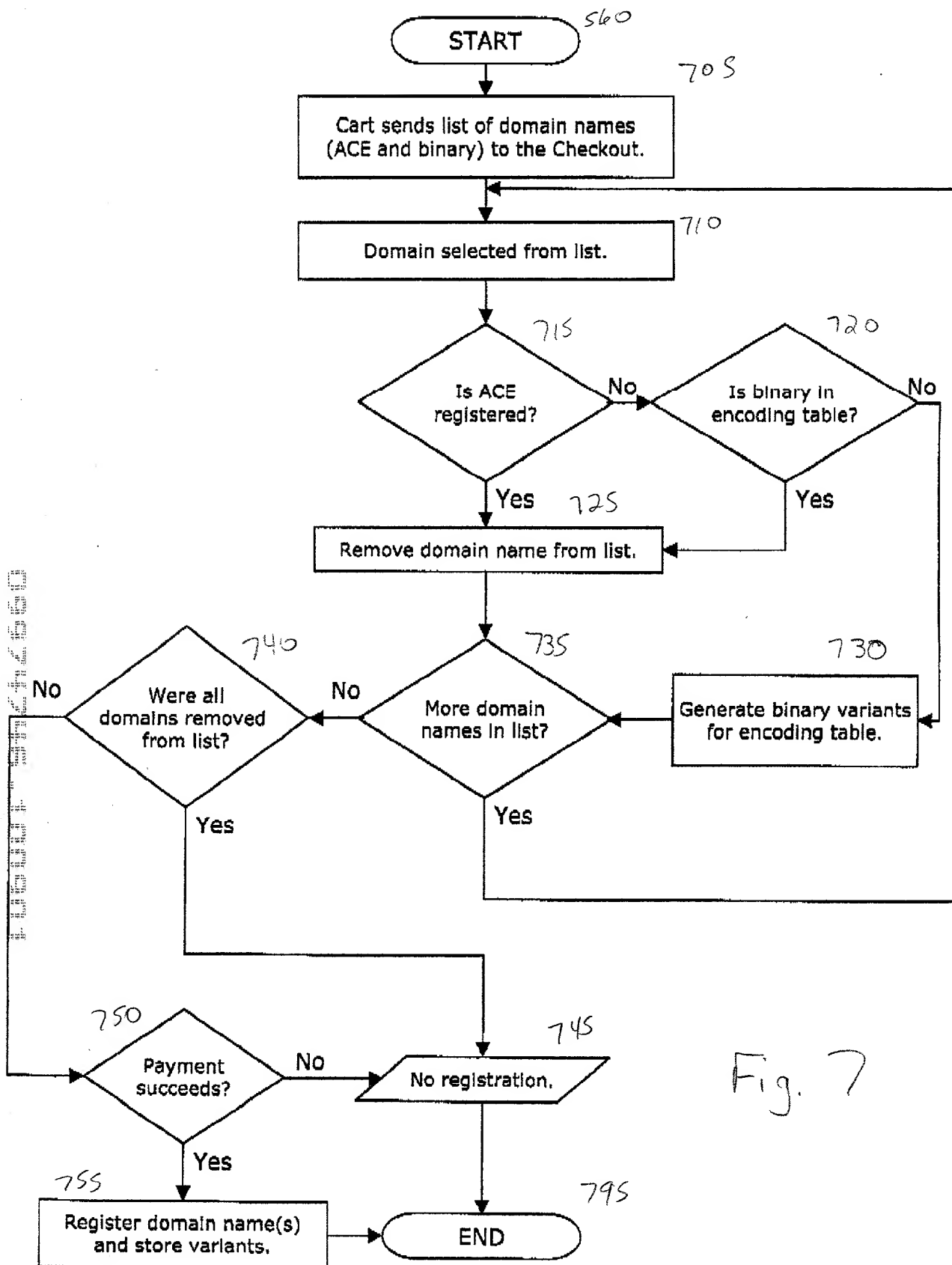


Fig. 7

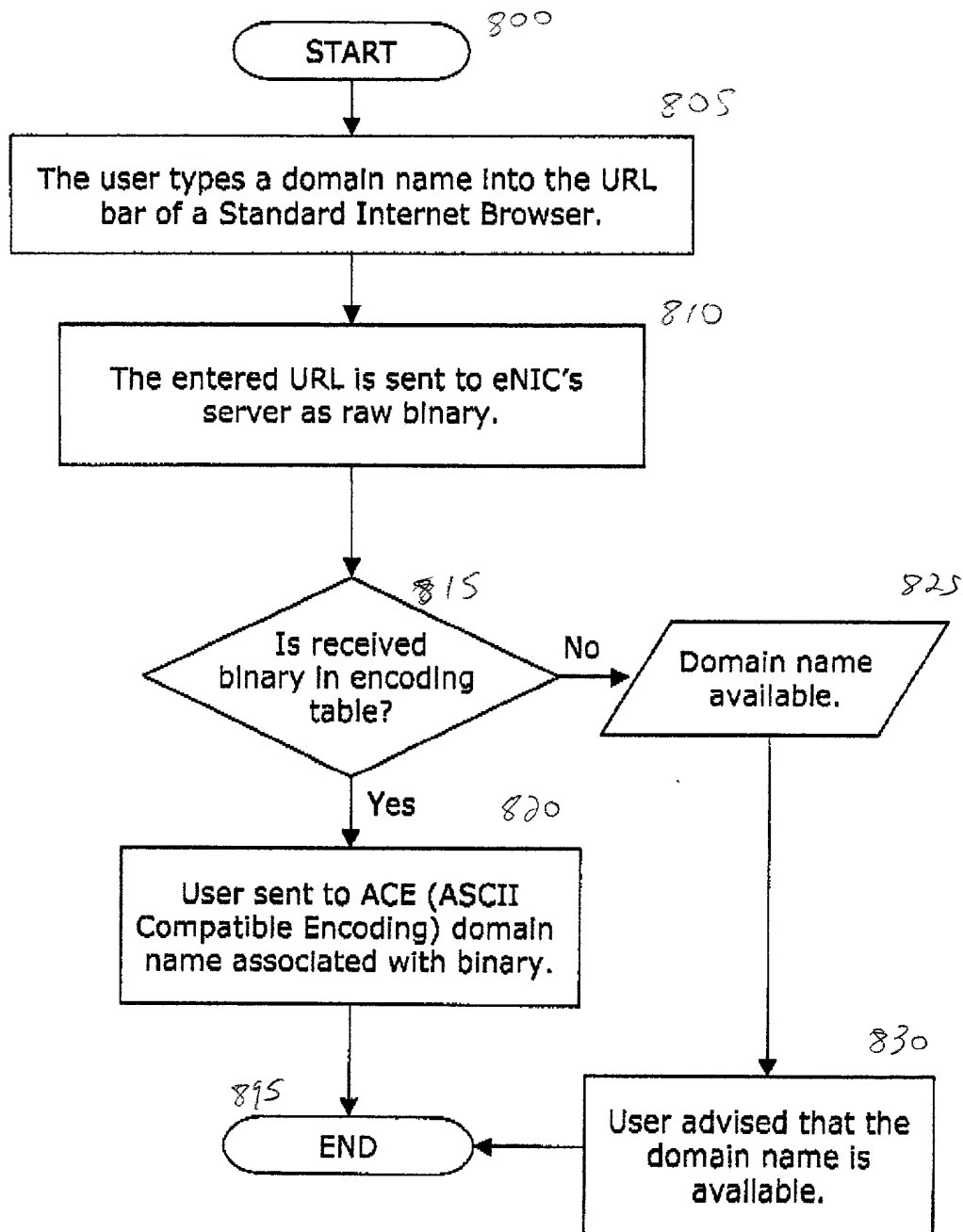


Fig. 8